EXHIBIT F

TO: AREA SUPERVISORS
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FROM: C.J. MULLEN

DATE: 8/26/87

PROCEDURE FOR THE HANDLING, DECONTAMINATION, STORAGE AND DISPOSAL OF EMPTY DRUMS

I. PURPOSE

The purpose of this procedure is to establish guidelines for operating areas on the handling, decontamination, storage and disposal of empty drums. The objective is to protect employees and contractor personnel who handle these containers, and also to insure compliance with environmental regulations.

II. DEFINITION OF AN EMPTY DRUM

1) A drum that has been drained and contains less than 1 inch of material.

2) A drum which has been rinsed as required by this procedure.

III. PROCEDURE

A. DECONTAMINATION

This procedure applies to drums which last contained raw materials, intermediates, finished products and waste materials.

1. Empty drums can be sent directly to a drum reconditioner/ disposer.

2. Certain drums require triple rinsing.
   a) Drums which last contained material listed on the EPA "P LIST" (See Appendix A) fall into this category.
   b) Drums which last contained materials that are potential hazards (See Appendix B) fall into this category.
   c) The materials on this plant which fall into this category can be found in Appendix C.

3. Any drum, including hazardous waste drums, which last contained a material which requires rinsing must also be triple rinsed.

B. LABELLING

1. Empty drums do not require a special label.

2. Empty hazardous waste drums on the Imaging side require a waste label (See Appendix D).

3. The only identification on an empty drum should be the material last contained and "empty". Other markings must be blocked out.

C. STORAGE

1. Empty drums can be stored in designated locations in operating areas. The following storage conditions apply:
   a) Drums must be labelled correctly.
   b) Drums must be sealed.
   c) Drums must not be leaking.

D. DISPOSAL

1. Only M & L recommended drum reconditioners/disposers should be used.

2. Contact the site environmental coordinator for questions about this procedure.

APPENDIX A

"P LIST" CHEMICALS THAT REQUIRE TRIPLE RINSING

§ 261.32 Hazardous waste from specific sources.—Continued

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
K054	Chrome (blue) shavings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearing.	(T)
K055	Buffing dust generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; and through-the-blue.	(T)
K056	Sewer screenings generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue; and shearing.	(T)
K057	Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; retan/wet finish; no beamhouse; through-the-blue and shearing.	(T)
K058	Wastewater treatment sludges generated by the following subcategories of the leather tanning and finishing industry: hair pulp/chrome tan/retan/wet finish; hair save/chrome tan/retan/wet finish; and through-the-blue.	(R, T)
K059	Wastewater treatment sludges generated by the following subcategory of the leather tanning and finishing industry: hair save/non-chrome tan/retan/wet finish.	(R)
Iron and Steel:		
K060	Ammonia still lime sludge from coking operations	(T)
K061	Emission control dust/sludge from the electric furnace production of steel	(T)
K062	Spent pickle liquor from steel finishing operations	(C, T)
K063	Sludge from lime treatment of spent pickle liquor from steel finishing operations	(T)
Primary Copper: K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production	(T)
Primary Lead: K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities	(T)
Primary Zinc:		
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production	(T)
K067	Electrolytic anode slimes/sludges from primary zinc production	(T)
K068	Cadmium plant leach residue (iron oxide) from primary zinc production	(T)
Secondary Lead: K069	Emission control dust/sludge from secondary lead smelting	(T)

§ 261.33 Discarded Commercial Chemical Products, Off-Specification Species, Containers, and Spill Residues Thereof.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded:

(a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section.

(b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraphs (e) or (f) of this section.

(c) Any container or inner liner removed from a container that has been used to hold any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) of this section, unless:

(1) The container or inner liner has been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate;

(2) The container or inner liner has been cleaned by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or

(3) In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container, has been removed.

(d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water, of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this Section.

[Comment: The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in . . ." refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in paragraphs (e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance listed in paragraphs (e) or (f), such waste will be listed in either §§ 261.31 or 261.32 or will be identified as a hazardous waste by the characteristics set forth in Subpart C of this Part.]

(e) The commercial chemical products or manufacturing chemical intermediates, referred to in paragraphs (a) through (d) of this section, are identified as acute hazardous wastes (H) and are subject to the small quantity exclusion defined in § 261.5(c). These wastes and their corresponding EPA Hazardous Waste Numbers are:

Hazardous waste No.	Substance [1]
	1080 see P058
	1081 see P057
	(Acetato)phenylmercury see P092
	Acetone cyanohydrin see P069
P001	3-(alpha-Acetonylbenzyl)-4-hydroxycoumarin and salts
P002	1-Acetyl-2-thiourea
P003	Acrolein
	Agarin see P007
	Agrosan GN 5 see P092
	Aldicarb see P069
	Aldifen see P048
P004	Aldrin
	Algimycin see P092
P005	Allyl alcohol
P006	Aluminum phosphide (R)
	ALVIT see P037
	Aminoethylene see P054
P007	5-(Aminomethyl)-3-isoxazolol
P008	4-Aminopyridine
	Ammonium metavanadate see P119
P009	Ammonium picrate (R)
	ANTIMUCIN WDR see P092
	ANTURAT see P073
	AQUATHOL see P088
	ARETIT see P020
P010	Arsenic acid
P011	Arsenic pentoxide
P012	Arsenic trioxide
	Athrombin see P001
	AVITROL see P008
	Aziridene see P054
	AZOFOS see P061
	Azophos see P061
	BANTU see P072
P013	Barium cyanide
	BASENITE see P020
	BCME see P016
P014	Benzenethiol
	Benzoepin see P050
P015	Beryllium dust
P016	Bis(chloromethyl) ether
	BLADAN-M see P071
P017	Bromoacetone
P018	Brucine
P019	2-Butanone peroxide
	BUFEN see P092
	Butaphene see P020
P020	2-sec-Butyl-4,6-dinitrophenol
P021	Calcium cyanide
	CALDON see P020
P022	Carbon disulfide
	CERESAN see P092
	CERESAN UNIVERSAL see P092
	CHEMOX GENERAL see P020
	CHEMOX P.E. see P020
	CHEM-TOL see P090
P023	Chloroacetaldehyde
P024	p-Chloroaniline
P025	1-(p-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid
P026	1-(o-Chlorophenyl)thiourea
P027	3-Chloropropionitrile
P028	alpha-Chlorotoluene
P029	Copper cyanide
	CRETOX see P108
	Coumadin see P001
	Coumafen see P001
P030	Cyanides

Hazardous waste No.	Substance
P031	Cyanogen
P032	Cyanogen bromide
P033	Cyanogen chloride
	Cyclodan see P050
P034	2-Cyclohexyl-4,6-dinitrophenol
	D-CON see P001
	DETHMOR see P001
	DETHNEL see P001
	DFP see P043
P035	2,4-Dichlorophenoxyacetic acid (2,4-D)
P036	Dichlorophenylarsine
	Dicyanogen see P031
P037	Dieldrin
	DIELDREX see P037
P038	Diethylarsine
P039	0,0-Diethyl-S-[2-(ethylthio)ethyl]ester of phosphorothioic acid
P040	0,0-Diethyl-0-(2-pyrazinyl)phosphorothioate
P041	0,0-Diethyl phosphoric acid, 0-p-nitrophenyl ester
P042	3,4-Dihydroxy-alpha-(methylamino)-methyl benzyl alcohol
P043	Diisopropylfluorophosphate
	DIMETATE see P044
	1,4:5,8-Dimethanonaphthalene, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro endo, endo see P060
P044	Dimethoate
P045	3,3-Dimethyl-1-(methylthio)-2-butanone-O-[(methylamino)carbonyl] oxime
P046	alpha,alpha-Dimethylphenethylamine
	Dinitrocyclohexylphenol see P034
P047	4,6-Dinitro-o-cresol and salts
P048	2,4-Dinitrophenol
	DINOSEB see P020
	DINOSEBE see P020
	Disulfoton see P039
P049	2,4-Dithiobiuret
	DNBP see P020
	DOLCO MOUSE CEREAL see P108
	DOW GENERAL see P020
	DOW GENERAL WEED KILLER see P020
	DOW SELECTIVE WEED KILLER see P020
	DOWICIDE G see P090
	DYANACIDE see P092
	EASTERN STATES DUOCIDE see P001
	ELGETOL see P020
P050	Endosulfan
P051	Endrin
	Epinephrine see P042
P052	Ethylcyanide
P053	Ethylenediamine
P054	Ethyleneimine
	FASCO FASCRAT POWDER see P001
	FEMMA see P091
P055	Ferric cyanide
P056	Fluorine
P057	2-Fluoroacetamide
P058	Fluoroacetic acid, sodium salt
	FOLODOL-80 see P071
	FOLODOL M see P071
	FOSFERNO M 50 see P071
	FRATOL see P056
	Fulminate of mercury see P065
	FUNGITOX OR see P092
	FUSSOF see P057
	GALLOTOX see P092
	GEARPHOS see P071
	GERUTOX see P020
P059	Heptachlor
P060	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-endo, endo-dimethanonaphthalene
	1,4,5,6,7,7-Hexachloro-cyclic-5-norbornene-2,3-dimethanol sulfite see P050
P061	Hexachloropropene
P062	Hexaethyl tetraphosphate
	HOSTAQUICK see P092
	HOSTAQUIK see P092
	Hydrazomethane see P068
P063	Hydrocyanic acid
	ILLOXOL see P037
	INDOCI see P025
	Indomethacin see P025
	INSECTOPHENE see P050
	Isodrin see P060
P064	Isocyanic acid, methyl ester
	KILOSEB see P020
	KOP-THIODAN see P050
	KWIK-KIL see P108
	KWIKSAN see P092
	KUMADER see P001
	KYPFARIN see P001
	LEYTOSAN see P092
	LIQUIPHENE see P092
	MALIK see P050
	MAREVAN see P001
	MAR-FRIN see P001
	MARTIN'D MAR-FRIN see P001
	MAVERAN see P001
	MEGATOX see P005
P065	Mercury fulminate
	MERSOLITE see P092
	METACID 50 see P071
	METAFOS see P071
	METAPHOR see P071
	METAPHOS see P071
	METASOL 30 see P092
P066	Methomyl
P067	2-Methylaziridine
	METHYL-E 605 see P071
P068	Methyl hydrazine
	Methyl isocyanate see P064
P069	2-Methyllactonitrile
P070	2-Methyl-2-(methylthio)propionaldehyde-o-(methylcarbonyl) oxime
	METHYL NIRON see P042
P071	Methyl parathion
	METRON see P071
	MOLE DEATH see P108
	MOUSE-NOTS see P108
	MOUSE-RID see P108
	MOUSE-TOX see P108
	MUSCIMOL see P007
P072	1-Naphthyl-2-thiourea
P073	Nickel carbonyl
P074	Nickel cyanide
P075	Nicotine and salts
P076	Nitric oxide
P077	p-Nitroaniline
P078	Nitrogen dioxide
P079	Nitrogen peroxide
P080	Nitrogen tetroxide
P081	Nitroglycerine (R)
P082	N-Nitrosodimethylamine
P083	N-Nitrosodiphenylamine
P084	N-Nitrosomethylvinylamine
	NYLMERATE see P092
	OCTALOX see P037
P085	Octamethylpyrophosphoramide
	OCTAN see P092
P088	Oleyl alcohol condensed with 2 moles ethylene oxide
	OMPA see P085
	OMPACIDE see P085
	OMPAX see P085
P087	Osmium tetroxide
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
	PANIVARFIN see P001
	PANORAM D-31 see P037
	PANTHERINE see P007
	PANWARFIN see P001
P089	Parathion
	PCP see P090
	PENNCAP-M see P071
	PENOXYL CARBON N see P048
P090	Pentachlorophenol
	Pentachlorophenate see P090
	PENTA-KILL see P090
	PENTASOL see P090
	PENWAR see P090
	PERMICIDE see P090
	PERMAQUARD see P090
	PERMATOX see P090
	PERMITE see P090
	PERTOX see P090
	PESTOX III see P085
	PHENMAD see P092
	PHENOTAN see P020
P091	Phenyl dichloroarsine
	Phenyl mercaptan see P014
P092	Phenylmercury acetate
P093	N-Phenylthiourea
	PHILIPS 1661 see P006
	PHIX see P092
P094	Phorate
P095	Phosgene
P096	Phosphine
P097	Phosphorothioic acid, 0,0-dimethyl ester, O-ester with N,N-dimethyl benzene sulfonamide
	Phosphorothioic acid (0,0-dimethyl-O-(p-nitrophenyl) ester see P071
	PIED PIPER MOUSE SEED see P108
P098	Potassium cyanide
P099	Potassium silver cyanide
	PREMERGE see P020
P100	1,2-Propanediol
	Propargyl alcohol see P102
P101	Propionitrile
P102	2-Propyn-1-ol
	PROTHROMADIN See P001
	QUICKSAM see P092
	QUINTOX see P037
	RAT AND MICE BAIT see P001
	RAT-A-WAY see P001
	RAT-B-GON see P001
	RAT-O-CIDE #2 see P001
	RAT-GUARD see P001
	RAT-KILL see P001
	RAT-MIX see P001
	RATS-NO-MORE see P001
	RAT-OLA see P001
	RATOREX see P001
	RATTUNAL see P001
	RAT-TROL see P001
	RO-DETH see P001
	RO-DEX see P108
	ROSEX see P001
	ROUGH & READY MOUSE MIX see P001
	SANASEED see P108
	SANTOBRITE see P090
	SANTOPHEN see P090
	SANTOPHEN 20 see P090
	SCHRADAN see P085
P103	Selenourea
P104	Silver Cyanide
	SMITE see P105
	SPARIC see P020
	SPOR-KIL see P092
	SPRAY-TROL BRAND RODEN-TROL see P001
	SPURGE see P020
P105	Sodium azide
	Sodium coumadin see P001
P106	Sodium cyanide
	Sodium fluoroacetate see P058
	SODIUM WARFARIN see P001
	SOLFARIN see P001
	SOLFOBLACK BB see P048
	SOLFOBLACK SB see P048
P107	Strontium sulfide
P108	Strychnine and salts
	SUBTEX see P020
	SYSTAM see P085
	TAG FUNGICIDE see P092
	TEKWAISA see P071
	TEMIC see P070
	TEMIK see P070
	TERM-I-TROL see P090
P109	Tetraethyldithiopyrophosphate
P110	Tetraethyl lead
P111	Tetraethylpyrophosphate
P112	Tetranitromethane
	Tetraphosphoric acid, hexaethyl ester see P062
	TETROSULFUR BLACK PB see P048
	TETROSULPHUR PBR see P048
P113	Thallic oxide
	Thallium peroxide see P113
P114	Thallium selenite
P115	Thallium (I) sulfate
	THIFOR see P092
	THIMUL see P092
	THIODAN see P050
	THIOFOR see P050
	THIOMUL see P050
	THIONEX see P050
	THIOPHENIT see P071
P116	Thiosemicarbazide
	Thiosulfan, tonol see P050
P117	Thiuram
	THOMPSON'S WOOD FIX see P090
	TIOVEL see P050
P118	Trichloromethanethiol
	TWIN LIGHT RAT AWAY see P001
	USAF RH-6 see P089
	USAF EK-4690 see P002
P119	Vanadic acid, ammonium salt
P120	Vanadium pentoxide
	VOFATOX see P071
	WANADU see P120
	WARCOUMIN see P001
	WARFARIN SODIUM see P001
	WARFICIDE see P001
	WOFOTOX see P072
	YANOCK see P057
	YASOKNOCK see P058
	ZIARNIK see P092
P121	Zinc cyanide
P122	Zinc phosphide (R,T)
	ZOOCOUMARIN see P001

The Agency included those trade names of which it was aware; an omission of a trade name does not imply that the omitted material is not hazardous. The material is hazardous if it is listed under its generic name.

APPENDIX B

POTENTIALLY HAZARDOUS MATERIALS THAT REQUIRE TRIPLE RINSING

ACETALDEHYDE
ACRYLONITRILE
p-AMINOAZOBENZENE
2-AMINODIPHENYL
3-AMINO-1,2,4 TRIAZOLE
AMMONIUM BICHROMATE
ANILINE
o-ANISIDINE
ANTIMONY TRIOXIDE
ASBESTOS
ATRAZINE
BENOMYL
BENZENE
BENZYL CHLORIDE
BENZYL CHLORIDE RESIDUE (BCR)
BROMACIL
1,3-BUTADIENE
p-tert-BUTYL-BENZOIC ACID
t-BUTYL ISOCYANIDE
CARBON TETRACHLORIDE
CHLORODIFLUOROMETHANE
CHLOROFORM
CHROMIC ACID
CHROMIUM DIOXIDE
o-DIANISIDINE
DI(n-BUTYL)PHTHALATE
1,4-DICHLOROBUTENE-2
DI(2-ETHYLHEXYL)PHTHALATE
DIMETHYLCARBAMOYL CHLORIDE
1,1-DIMETHYL-HYDRAZINE
DIMETHYL SULFATE
DIMETHYLSULFOXIDE (DMSO)
2,4-DINITROTOLUENE
1,4-DIOXANE
DIURON
EPICHLOROHYDRIN
1,2-EPOXY-3-PHENOXY-PROPANE
EPOXY RESINS
2-ETHOXYETHANOL
2-ETHOXYETHYLACETATE
ETHYLENE DIBROMIDE
ETHYLENE OXIDE
ETHYLENETHIOUREA
2-ETHYLHEXYL ACRYLATE
FORMALDEHYDE
FORMAMIDE
HEXAFLUOROACETONE
HEXAMETHYLPHOSPHORAMIDE
HYDRAZINE
N-(2-HYDROXYETHYL)ETHYLENEIMINE
INH-6573
INL-5300
INY-6202
KEVLAR
LEAD (INORGANIC COMPOUNDS)
LEAD (ORGANIC COMPOUNDS)
LEAD CHROMATE
LINURON
LITHIUM COMPOUNDS
2-METHOXYETHYLACETATE
2-METHOXYETHANOL
MBC
METHYL CHLORIDE
4,4-METHYLENE bis-(2-CHLOROANILINE)
METHYLENE CHLORIDE
4,4-METHYLENEDIANILINE
MONOMETHYLFORMAMIDE
NER-010A EPOXY RESIN
5-NITRO-o-ANISIDINE
2-NITRONAPTHALENE
N-NITROSODIPHENYLAMINE
OXYDIANILINE
beta-PROPIOLACTONE
PROPYLENEIMINE
PROPYLTHIOURACIL
REFRACTORY ALUMINUM SILICATE CERAMIC FIBERS
SODIUM DICHROMATE
TETRACHLOROETHYLENE
TETRAMETHYLTHIOUREA
TETRAMETHYLUREA
THIOACETAMIDE
THIOUREA
TITANIUM DIOXIDE
TITANIUM TETRACHLORIDE
2,4-TOLUENEDIAMINE
ortho-TOLUIDINE
2,3,4-TRICHLOROBUTENE
TRICHLOROETHYLENE
TRIFLUOROETHANOL
VINYLIDENE CHLORIDE
2,6-XYLIDINE
ZINC CHROMATE

APPENDIX C

MATERIALS ON THIS PLANT WHICH REQUIRE TRIPLE RINSING

ACRYLONITRILE
3-AMINO-1,2,4 TRIAZOLE
BENZENE
CARBON TETRACHLORIDE
DIMETHYL SULFATE
1,4-DIOXANE
ETHYLENE DIAMINE
FORMALDEHYDE
LEAD ACETATE
LEAD CYCLOHEXANEBUTYLATE
LEAD NITRATE
LITHIUM BROMIDE
LITHIUM CHLORIDE
LITHIUM CHROMATE
LITHIUM SULFATE
METHYLENE CHLORIDE
SODIUM AZIDE
SODIUM DICHROMATE
THIOACETAMIDE
THIOUREA
TITANIUM DIOXIDE
VINYLIDENE CHLORIDE

APPENDIX D

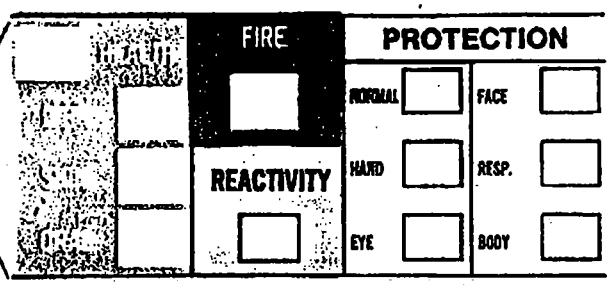
WASTE LABEL FOR EMPTY WASTE STORAGE DRUMS (IMAGING SIDE ONLY)

BEND BACK TO REMOVE

Name of material last contained.

NAME:

Ratings can be obtained from the Chemical Database on the computer. The Safety Office can provide assistance.



DATE **MSDS NUMBER:**

Area from which the material originated.

SOURCE OF WASTE

Check the appropriate method.

DISPOSAL METHOD:

- ____ **TO BE RECLAIMED**
- ____ **FOR DISPOSAL BY OUTSIDE VENDOR**
- ____ **EMPTY DRUM BEING RETURNED TO VENDOR**
- ____ **SPECIAL (EXPLAIN)**

Check here if drum has been rinsed. (Date)

Check here if drum has not been rinsed.

EMPTY DRUMS (CHECK ONE)

RINSED ☐ DATE ____ INT. ____

NOT- RINSED ☐

Name of area supervisor responsible.

Date when label was completed.

AREA SUPERVISOR RESPONSIBLE

DATE:

336163-001 (REV. 2/86)

WASTE CHARACTERIZATION FORM (WCF) Date: 3/12/88

I. LOCATION: PARLIN IMAGING SYSTEMS
EPA ID#: NJD002444024
EPA Code: N/A
CONTRACTOR'S CODE:
DU PONT CODE: WPL-15
STATE CODE: C-387

II. NAME OF WASTE: PCB CONTAMINATED OIL FROM TRANSFORMERS

III. COMPOSITION

A. MAJOR COMPONENTS	C. ONE TIME OR TYPICAL ANALYSIS	D. CONCENTRATION RANGE UPPER	D. CONCENTRATION RANGE LOWER	E. EXPOSURE LIMITS ACGIH	E. EXPOSURE LIMITS OSHA
1. TRANSFORMER OIL CONTAINING PBC'S		4000	7	.5MG/KG	.5MG/KG
2.					
3.					
4.					
5.					

B. TRACE COMPONENTS NOT LISTED ABOVE (PPM)

Ag: 0 As: 0 Ba: 0 Cd: 0 Cl+: 0 CN: 0 Cr: 0
Cu: 0 F+: 0 Hg: 0 I+: 0 N+: 0 Ni: 0 P+: 0
Pb: 0 S+: 0 Se: 0 Zn: 0
Other components:
Indicate test method: EPTOX/ TCLP Total Metals:

F. DOES THE WASTE CONTAIN:

Sulfides NO Cyanides NO Dioxin NO
PCBs YES Phenolics NO Listed Solvents NO
Insecticides, pesticides, herbicides, or rodenticides NO
Halogenated Organic Compounds 1000 Mg/l NO

IV. PHY. STATE @ 25C: Solid Liquid X Sludge Liquid/solid phases X Gas
Other: TRANSFORMER
- Is there a dusting hazard if containers are opened? NO
- Multiple phases? NO Vol. of each phase: % SOLID % LIQUID
- Can the waste be pumped? YES Poured? YES
-% Free flowing liquid layer: 100 (Volume %)
-Pressure of container: 0 PSIG
-% Separate phase water: 0 Estimated specific gravity 1.5

V. SHIPPING CONTAINERS
Bulk: - MC Code:
Drums-

Size	Materials of Construction	DOT Spec.	Approx. Weight per Container	Container Label Used
55 GAL.	STEEL	17 E	450 LBS	HAZARDOUS SUBSTANCE NOS

Other:

85 GAL.	STEEL	OVERPACK	550 LBS.	HAZARDOUS SUBSTANCE NOS

VI. PROPERTIES-
Flash point: 432 F (closed cup) BTU/lb:17 K Corrosive: NO OSHA Carcinogen: YES CONTAINS
Color: AMBER pH: - Odor: YES AROMATIC
Reactive: NO Pyrophoric: NO
Toxic: YES CONTAINS PCB Radioactive: NO
Shock Sensitive: NO Explosive: NO Etiological: NO
Other:

VII. D.O.T. Shipping Name: RQ HAZARDOUS SUBSTANCE, N.O.S.
D.O.T. Hazard Classification: ORM-E (CONTAINS POLYCHLORINATED BIPHENYL)
D.O.T. Placard: YES D.O.T. Label: YES U.N. No: N.A. Number: 9188

VIII. VOLUME- Annual: This request: Per shipment:

Remarks (Treatment of spill/safety suggestion/MSDS: THIS NOT A RCRA HAZARDOUS WASTE
SECTION J: SEE WASTE CHARACTERIZATION FORM FOR CHEMICAL COMPOSITION AND PERCENTAGES

REVIEWED BY
DATE REVIEWED

Prepared by O. FERNANDEZ JR.

HAZARDOUS WASTE MANIFEST REFERENCE SHEET

1982 SHIPMENTS

6/21/82 - Shipped to Chambers Works
Waste flammable liquid, Poisonous N.O.S. RQ
contains Toluene and Nitrobenzene, WCH-3
approx. 4675 gallons

9/17/82 - Shipped to Chambers Works
Waste corrosive liquid N.O.S.
contains: Trichloroethylene, RQ
Tetrachloroethylene
Methylene Chloride
Oil
Approx. 5366 gallons

9/21/82 - Shipped to Chambers Works
Waste flammable liquid, corrosive N.O.S.
contains: Trichloroethylene RQ
Acrylonitrile RQ
Ethyl Acrylate
Methyl Acrylate
Mineral Spirits
Acetone
Methyl Ethyl Ketone
Tetrachloroethlene (perchloroethylene)
Methylene chloride
Oil
Approx. 3750 gallons

10/25/82 - Shipped to Pontchartrain, LaPlace, LA
14 drums of WCH-9; Waste cellulose Acetate
8 drums of WCH-7; Filter paper

11/4/82 - Shipped to Chemical Waste Management
1 container of Waste Polychlorinated Biphenyls,
(Mineral Oil solution, containing >500ppm PCB's)

5 containers of Waste Polychlorinated Biphenyls (Mineral Oil solution, conntaining <500ppm PCB's)

14 containers of Waste Polychlorinated Biphenyls
(Mineral Oil solution, containing <50ppm PCB's)

1 Hazardous Waste Solid N.O.S. transformer
containing >500ppm PCB contaminated oil.

1 Hazardous Waste Solid N.O.S. (articles contaminated with PCB oil)

1 Hazardous Waste Solid N.O.S. transformer containing
<500 >50ppm PCB contaminated oil

TO: Ed Brennan
Section 313 Task Team

CC: Bob Goldner

FROM: George Osei

May 16, 1988

SECTION 313 HAZARDOUS WASTE SHIPPED IN 1987

Following is a list of chemicals and the locations they were shipped to in 1987:

FP Manufacturing Area

Chemical Name	From Sheet 1		From Sheet 2	
Acetone	166277	(SolRec)	125,589	Ross
Acrylonitrile	0		1,392	Ross
Butyl Acrylate	19886	(Chambers)	408 ~~25,536~~	Ross
Ethyl Acrylate	656	(Ensco)	0	
Ethylene Glycol	16896	(SCA Chem)	0	
MEK	7248	(SolRec)	77,679	Ross
Methanol	0		2,330	Ross
Methyl Methacrylat	0		2,164	Ross
Methylene Chloride	0		49,696	Ross
N-Butyl Alcohol	0		12,548	Ross
Toluene	140704	(SolRec)	225,379	Ross
Xylene	130308	(SolRec)	0	

IMG Manufacturing Area

Chemical Name	Total(lbs.)	
Acetone	11,834	(2-CWME;7944-Rollins;3888-Chambers)
Acrylonitrile	256	(TWI)
MEK	11,432	(200-CWME;7344-Rollins;3888-Chambers
Methanol	10,547	(4784-Rollins;5763-Chambers)
Methyl Methacrylate	1,760	(880-CWME;880-CWMN)
Methylene Chloride	2,482	(522-CWME;1960-Rollins)
N-Butyl Alcohol	10,476	(7712-Rollins;2764-Chambers)
Toluene	2,082	(792-Rollins;1122-Chambers;168-CWMN)
Vinylidene Chloride	2,600	(400-CWME;2200-CWMN)